

**EAST Search History****EAST Search History (Prior Art)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	364	(417/225).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2011/03/02 11:50
L2	151	1 and piston and valve	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2011/03/02 11:50
L3	29	417/227	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2011/03/02 11:51
L4	397	417/545	US-PGPUB; USPAT; USOCR	OR	ON	2011/03/02 11:55
L5	307	4 and piston and valve	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2011/03/02 11:55
L6	477	417/390	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2011/03/02 11:56
L7	307	5 and piston and valve	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2011/03/02 11:56
S1	2	("0616774").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/12/31 09:00
S2	6	("1616774").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/12/31 09:01
S3	1	("1616774").URPN.	USPAT	OR	ON	2008/12/31 09:11
S4	8	("1568447"   "1616774"   "2173413"   "5094081").PN. OR ("5984642").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/12/31 09:11

S5	80	417/226	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/06/10 12:12
S6	192	417/225	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/06/10 12:17
S7	8	"6193476"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/06/10 12:23
S8	8	"6193476"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/06/10 12:25
S9	18	("1532231"   "2014613"   "2174114"   "2376538"   "2490118"   "4421463"   "4551075"   "5118517"   "5188517"   "5337565").PN. OR ("6193476"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/10 12:28
S10	9	"3148629"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/06/10 12:30
S11	7	"4421463"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/06/10 12:31
S12	10	"2174114"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/06/10 12:32
S13	16	"4219311"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/06/10 12:32
S14	14	"3135210"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/06/10 12:33

S15	512	417/401	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/06/10 12:34
S16	448	S15 and piston and valve	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/06/10 12:35
S17	9	("2261752"   "2841086"   "4334833"   "5104296"   "5651666"   "5807082"   "6193476").PN. OR ("7431572").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/10 12:37
S18	515	417/383	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/06/10 13:13
S19	361	S18 and piston and valve	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/06/10 13:13
S20	37	("0129353"   "0500856"   "0583837"   "0784991"   "1544898"   "1568447"   "1696065"   "1836585"   "1907948"   "1962473"   "1981288"   "2050526"   "2142773"   "2340943"   "2342855"   "2942552"   "2949857"   "3991825").PN. OR ("4421463"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/10 13:23
S21	516	417/393	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/10 13:28
S22	348	S21 and piston and valve	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/06/10 13:28
S23	346	S22 not (S16 and S19)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/06/10 13:29
S24	266	S22 not (S16 or S19)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/06/10 13:29
S25	0	(401/390,547,554,555.1).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/06/10 13:39

S26	2662	(417/390,547,554,555.1).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/06/10 13:39
S27	833	S26 and piston and valve	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/06/10 13:40
S28	775	S27 not (S16 or S19 or S22)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/06/10 13:40
S29	1	((hollow near2 piston) and cylinder and (transfer near2 chamber) and (discharge or output or outlet)and ((resupply or reload) near2 chamber)and valve ).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2011/03/02 08:19
S30	3	((RICHARD) near2 (MCNICHOL)). INV.	US-PGPUB; USPAT; USOCR	OR	ON	2011/03/02 08:20
S31	9	"3148629"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2011/03/02 08:28
S32	3	("3148629").URPN.	USPAT	OR	ON	2011/03/02 08:35
S33	8	"6193476"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2011/03/02 08:40
S34	18	("1532231"   "2014613"   "2174114"   "2376538"   "2490118"   "4421463"   "4551075"   "5118517"   "5188517"   "5337565").PN. OR ("6193476"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2011/03/02 08:40
S35	18	"1568447"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2011/03/02 08:41
S36	8	"1616774"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2011/03/02 08:42
S37	15	"3135210"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2011/03/02 08:43

S38	0	((force or pressure) near2 intensify \$3) and cylinder and (transfer near2 chamber) and (discharge or output or outlet)and ((resupply or reload) near2 chamber)and valve ).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2011/03/02 08:48
S39	0	((force or pressure) near2 intensify \$3) and cylinder and (transfer near2 chamber) and (discharge or output or outlet)and ((supply or load\$3 or reload\$3 or re-load\$3) near2 chamber)and valve ).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2011/03/02 08:50
S43	8	"1616774"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2011/03/02 10:26
S44	5	"5984642"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2011/03/02 10:43

**EAST Search History (Interference)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S40	2	(hollow near2 piston) and cylinder and (transfer near2 chamber) and (discharge or output or outlet)and ((resupply or reload) near2 chamber) and valve	US-PGPUB; USPAT; UPAD	OR	ON	2011/03/02 08:18
S41	0	((force or pressure) near2 intensify\$3) and cylinder and (transfer near2 chamber) and (discharge or output or outlet)and ((resupply or reload) near2 chamber) and valve )	US-PGPUB; USPAT; UPAD	OR	ON	2011/03/02 08:48
S42	1	((force or pressure) near2 intensify\$3) and cylinder and (transfer near2 chamber) and (discharge or output or outlet)and ((supply or load \$3 or reload\$3 or re-load \$3) near2 chamber)and valve )	US-PGPUB; USPAT; UPAD	OR	ON	2011/03/02 08:49

**3/ 2/ 2011 12:26:34 PM****C:\ Documents and Settings\ abayou\ My Documents\ EAST\ Workspaces\ 10587903.wsp**